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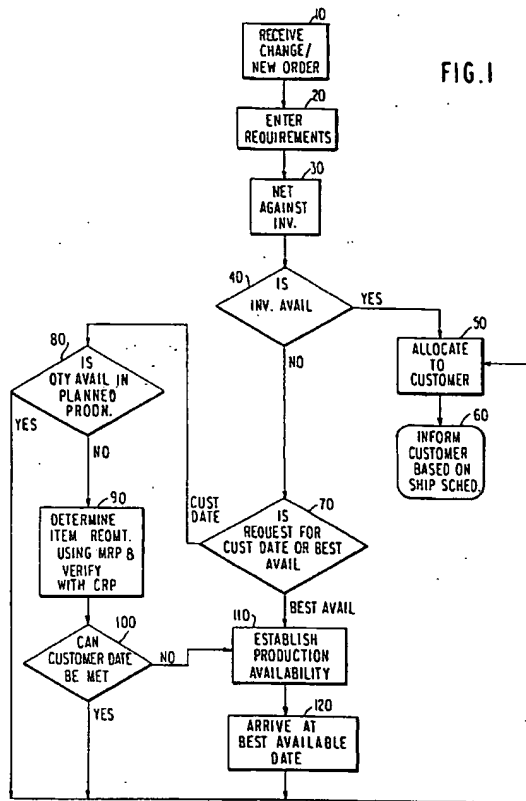
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**F-06610 La Gaude(FR)**(54) **An automated customer order promising and confirming method.**

(57) A computer based customer order promising and confirming method system automatically interfaces to a production planning system to provide an integrated approach to the front-end planning process. The process estimates projected order completion based on customer requested orders. First, the customer requested orders are received and the requirements (as specified by the orders) are entered in the planning system. Next, a check is made to see if the requirement(s) can be satisfied by either unallocated inventory or unallocated scheduled production. If the results of this check meet the requirement(s), the information is provided for order-promising pending order confirmation. If the results on the other hand do not meet the requirement(s), the process then utilizes the logic of a material

requirements planning system (MRP) to explode the requirements and generate a statement of time phased dependent requirements. The logic of the MRP is used to simulate the process of procurement and/or fabrication of the necessary components to calculate possible delivery dates. The effect of releasing new orders/requirements is further simulated by capacity/resource planning logic to verify if production capacity is available to meet delivery dates requested by the customer or suggested by MRP. Following the simulation process, the system provides the order processing operator with clear information on best available date(s) if requested, whether the customer specified date(s) can be met, and if customer specified date(s) cannot be met, the best available date(s).

**EP 0 425 405 A3**

FIG. 1





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## EUROPEAN SEARCH REPORT

Application Number

EP 90 48 0121

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	EXPERT SYSTEMS. vol. 1, no. 1, 1984, ABINGDON GB pages 25 - 49; FOX AND SMITH: 'ISIS - a knowledge-based system for factory scheduling' * page 27, left column, paragraph 3 - page 30, left column, paragraph 3 *** page 33, left column, paragraph 1 - page 35, right column, paragraph 2 ** - - -	1-6	G 06 F 15/24
A	US-A-4 459 663 (DYE) * column 2, line 25 - column 3, line 40 *** column 4, line 66 - column 8, line 14; figure 2 ** - - -	1-6	
A	EP-A-0 323 383 (INTERNATIONAL BUSINESS MACHINES) * column 3, line 20 - column 8, line 37; figures 1-7 ** - - -	1-6	
A	EP-A-0 319 442 (INTERNATIONAL BUSINESS MACHINES) * column 4, line 24 - column 6, line 31; figures 1-4 ** - - - - -	1-6	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G 06 F
Place of search		Date of completion of search	Examiner
The Hague		28 November 91	CHUGG D.J.
<b>CATEGORY OF CITED DOCUMENTS</b> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			